

Augmented Category 6 S/FTP 100 Ohm Modular Cords

Transmission Properties and Electrical Specifications

FREQ.	Min. NEXT				Min RL
MHz	dB				dB
	1 m cord	2 m cord	5 m cord	10 m cord	
1.0	65.0	65.0	65.0	65.0	19.8
4.0	65.0	65.0	65.0	65.0	21.6
8.0	65.0	65.0	65.0	64.8	22.5
10.0	65.0	65.0	64.5	63.0	22.8
16.0	62.7	62.0	60.5	59.1	23.4
20.0	60.7	60.1	58.7	57.3	23.7
25.0	58.8	58.2	56.8	55.4	24.0
31.25	56.9	56.3	54.9	53.6	23.0
62.5	51.0	50.4	49.2	48.1	20.0
100	47.0	46.4	45.4	44.5	18.0
200	41.1	40.7	39.9	39.3	15.0
250	39.3	38.9	38.1	37.7	14.0
300	36.4	36.2	35.9	35.8	12.8
400	31.8	31.9	32.1	32.5	10.9
500	28.2	28.4	29.0	29.8	9.5

Characteristic Impedance 100±6 Ohm @ 1-500 MHz

Contact Resistance 20 mOhm max.

Resistance unbalance 2% max.

Voltage rating 72 Vdc max.

Dielectric strength 1000 Volts/1 minute min rms

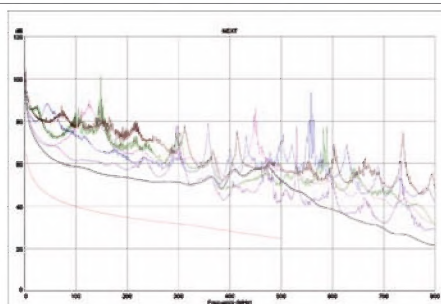
Ampacity 1.0 Amps max.

Insulation Resistance 500 MOhm min. @ 500 Vdc

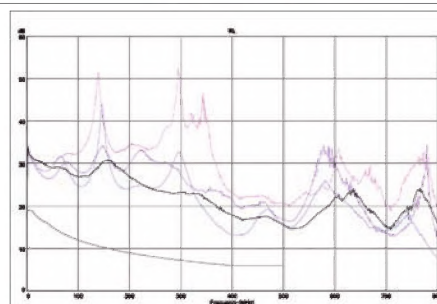
Coupling attenuation 85 dB min @ 30-100 MHz 85-20log(f/100) @100-500 MHz

Transfer Impedance 10mOhm/m max @1-10 MHz 30 mOhm/m max @30 MHz

Typical NEXT Loss



Typical Return Loss



Ordering Information

HCS P/N	Description	Lenght (m)	Notes
T6A-00470-101	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	1.0	
T6A-00480-101	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	1.0	
T6A-00470-201	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	2.0	
T6A-00480-201	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	2.0	
T6A-00470-301	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	3.0	
T6A-00480-301	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	3.0	
T6A-00470-501	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	5.0	
T6A-00480-501	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	5.0	
T6A-00470-701	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	7.0	
T6A-00480-701	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	7.0	
T6A-00470-001	4x2x26# S/FTP CAT 6A PVC Modular Cord Grey	10	
T6A-00480-001	4x2x26# S/FTP CAT 6A LS0H Modular Cord Grey	10	

Note: Standard color: Light Gray RAL 7035. Other colors available for selection from Color Table No. 6.